

Source Testing for Particulates (PM)— Fundamentals Workshop California Polytechnic State University December 10-14, 2007

∞ Workshop Objective

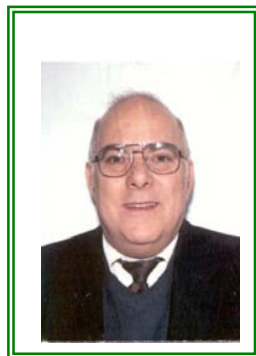
California Polytechnic State University, in conjunction with the United States Air Pollution Training Institute (APTI), will be co-sponsoring a comprehensive five-day workshop on EPA's *Method 5* addressing the fundamentals for collecting particulates (PM) from stationary sources pollutants. The objective of this workshop is to provide personnel the needed background information, checklists and up-to-date technology so participants can develop their own PM source monitoring program. This workshop will address air current regulations, developing test plans and protocols, sampling PM, PM10, PM 2.5 and for semi-volatiles/dioxin/furan/PCBs (PUF/XAD-2), and particulate matter (time-integrated and real-time).

∞ Who Should Attend

This course is geared towards environmental professionals who want to better understand sampling particulates from stationary sources.

∞ Workshop Instructors

William T. "Jerry" Winberry, Jr., Principal Environmental Scientist with EnviroTech Solutions, has more than 25 years of experience in air monitoring. **Hal Cota**, Professor Emeritus and Director of Cal Poly's EPA Area Training Center



∞ What We'll Focus On

The workshop will present standardized methods for quantifying PM from stationary sources based on EPA's Methods 1-5.

- EPA and State Regulations
- EPA Method 5 Sampling Train
- Isokinetic Sampling
- Reporting Requirements
- Quality Assurance
- Safety
- PM 10, PM 2.5, semi-volatiles

Laboratory Sessions

- **Presampling Requirements Lab:** Calibration of Pitot tube, meter box and other equipment.
- **Preliminary Survey:** Velocity traverse, moisture and gas molecular weight.
- **Method 5:** Source test of stack.
- **Report:** Analysis and critique of source test.



∞ Workshop Manuals

Manuals will support workshop presentations and field videos.

- **Student Workbook:** *This workbook contains the course agenda, copies of selected slides and background material from each of the topic areas along with specific method checklists.*
- **Student Manual:** *This manual contains detailed reference material designed to supplement the student workbook.*

At the end of this course, the participants should have an understanding of the basic test methods for characterizing accurately PM concentrations from stationary sources.

NOTE: The workshop will begin at 9 am the first day and promptly at 8:00 a.m. each following day and end at approximately 4:30 p.m. The last day class will end at noon. This course will be held during *Finals Week* at Cal Poly. Since Friday is the day before Fall Graduation, you will need to make your reservations several months in advance.

∞ Register Today—Space is Limited!

This will be a special version of the class as two experienced instructors team up to make this an especially valuable experience. Details and Registration information are available on line at <http://ceenve.calpoly.edu/cota/epa/Default.htm> or contact Diana Gould-Wells at dgwells@calpoly.edu or Hal Cota at hcota@calpoly.edu. There is a fee of \$400 for non – governmental attendees.

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This form may be duplicated for additional registrations. Please print in ink or type. Further details on fees for non-governmental employees http://ceenve.calpoly.edu/cota/epa/general_info.htm#fees

Last Name	First Name	Middle Initial
Job Title	E-mail Address	
Company/Organization		
Business Address (no. and street or box no.)		
City	State	Zip Code
Business Telephone		Business Fax



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Location

The workshop will be held at Cal Poly. Set in the idyllic countryside of central California and offering nearby panoramic views of the surrounding vineyards and the Pacific Ocean, Cal Poly is one of the leaders of environmental training programs for the EPA Air Pollution Training Institute (APTI). Further information on the Program is available on-line at <http://ceenve.calpoly.edu/cota/epa/Default.htm>

Accommodations

A limited number of rooms at government rate for APTI 450 are available at:

[Cuesta Motor Inn](#)
www.lacuestainn.com
2074 Monterey St
San Luis Obispo, CA 93401
(805) 543-2777

Other accommodations are listed on the following website:

<https://visitslo.com/cm/Lodging/Home.html>

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